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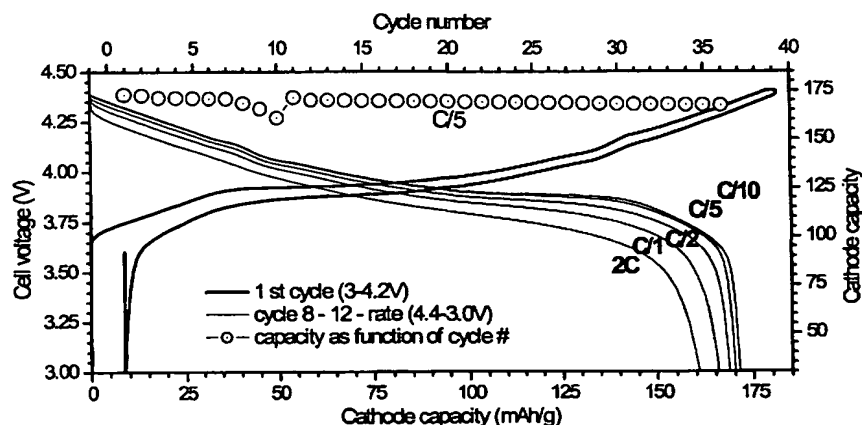
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(54) Title: LITHIUM TRANSITION METAL OXIDE WITH GRADIENT OF METAL COMPOSITION



(57) Abstract: Disclosed are primary materials, precursor materials and final materials as well as methods to prepare these materials. The final materials are mixed lithium transition metal oxides, useful as performance optimized cathode materials for rechargeable lithium batteries. The transition metal is a solid solution mixture of manganese, nickel and cobalt, $M=(Mn_{1-u}Ni_u)_{1-y}Co_y$, with 0.2